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(21) International Application Number: PCT/CA99/00307 (22) International Filing Date: 12 April 1999 (12.04.99) (30) Priority Data: 09/059,584 14 April 1998 (14.04.98) US (71) Applicant (for all designated States except US): CONNAUGHT LABORATORIES LIMITED [CA/CA]; 1755 Steeles Avenue, North York, Ontario M2R 3T4 (CA). (72) Inventors; and (75) Inventors/Applicants (for US only): MYERS, Lisa, E. [CA/CA]; 187 Elizabeth Street, Guelph, Ontario N1E 2X5 (CA). SCHRYVERS, Anthony, B. [CA/CA]; 39 Edforth Road N.W., Calgary, Alberta T3A 3V8 (CA). HARKNESS, Robin, E. [CA/CA]; Apartment 1706, 640 Sheppard Avenue East, Willowdale, Ontario M2K 1B8 (CA). LOOSMORE, Sheena, M. [CA/CA]; 70 Crawford Rose Drive, Aurora, Ontario L4G 4R4 (CA). DU, Run-Pan [CA/CA]; 299 Chelwood Drive, Thornhill, Ontario L4J 7Y8 (CA). YANG, Yan-Ping [CA/CA]; Apartment 709, 120 Torresdale Avenue, Willowdale, Ontario M2R 3N7 (CA). KLEIN, Michel, H. [CA/CA]; 16 Munro Boulevard, Willowdale, Ontario M2P 1B9 (CA).			(74) Agent: STEWART, Michael, I.; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (CA). (81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 16 December 1999 (16.12.99)
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(57) Abstract <p>Purified and isolated nucleic acid molecules are provided which encode Tbp2 proteins of <i>M. catarrhalis</i> strains M35, 3 and LES1. The nucleic acid sequence may be used to produce recombinant Tbp2 proteins of the strain of <i>Moraxella</i> free of other proteins of the <i>Moraxella</i> strain for purposes of diagnostics and medical treatment. Furthermore, the nucleic acid molecules may be used in the diagnosis of infection.</p>			